Wildlife Management
Pacing guide 2023-2024

Days	Unit	Georgia Standards of Excellence
5 days (throughout the semester)	Unit 1 Employability Skills Standard: Demonstrate employability skills required by business and industry. The following elements should be integrated throughout the content of this course.	AFNR-WM-1 1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities 1.2 Demonstrate creativity by asking challenging questions and applying innovative procedures and methods. 1.3 Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations. 1.4 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity. 1.5 Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills. 1.6 Present a professional image through appearance, behavior and language.
5	Unit 2 FFA/SAE Standard: Orient and apply the comprehensive program of agricultural education, learns to work safely in the agriculture lab and work sites, demonstrates selected competencies in leadership through the FFA and agricultural industry	AFNR-WM-2 2.1 Explain the role of the Agriculture Education program and the FFA in personal development. 2.2 Demonstrate knowledge learned through a SAEP. 2.3 Develop leadership and personal development skills through participation in the FFA. 2.4 Explore career opportunities in animal science though the FFA and Agriculture Education Program. 2.5 Explore the professional agricultural organizations associated with the course content.

	organizations, and develops plans for a Supervised Agricultural Experience Program (SAEP).	
10	Unit 3 Introduction to Wildlife Management, Laws & Regulations

Standard: Define wildlife, explain the importance of wildlife and wildlife management, and identify the role of government and private wildlife organizations in managing wildlife resources. | AFNR-WM-3 3.1 Define wildlife and differentiate between game and non-game species. 3.2 Describe wildlife management and compare and contrast wildlife management to other agricultural sciences. 3.3 Explain the importance of wildlife and the values society places on wildlife populations. 3.4 Report and debate the historical American attitudes concerning wildlife as a resource. 3.5 Describe major trends in wildlife management philosophies and practices. 3.6 Outline and explain the meaning, purpose and importance of major pieces of U.S. legislation pertaining to the conservation of wildlife resources. 3.7 Identify groups and organizations with concern for wildlife and explain their official position regarding hunting and other wildlife management techniques. |

| 25 | Unit 4
Hunter Safety

Standard: Define wildlife, explain the importance of wildlife and wildlife management, and identify the role of government and private wildlife organizations in managing wildlife resources. | AFNR-WM-3
3.8 Compare and contrast hunting to other conservation practices. 3.9 Demonstrate appropriate responses to hunting and firearm accidents. 3.10 Identify means by which hunting and firearms accidents may be prevented. 3.11 Demonstrate an understanding of written laws regulating hunting activity. 3.12 Demonstrate an understanding of hunter ethics and why they are important to the well-being of wildlife. forests and discuss examples of each type. |

| 20 | Unit 5
Habitats, Population,
Carrying Capacity

Standard: Identify and explain practices for managing wildlife populations and their habitats for the benefit of the entire biota

Standard: Identify, research, and discuss factors related to birth rate and mortality rate of wildlife and recognize the relationship between the biotic potential of wildlife species and their management.
Calculate population size, carrying capacity, annual change in population size, and maximum rate of population increase. | AFNR-WM-6
6.1 Identify management practices to improve habitat for selected species.
6.2 Analyze the cause and effect of human wildlife conflicts.
6.3 Analyze methods of human wildlife conflict resolution.
6.4 Explain the importance of managing wildlife populations.
6.5 Identify methods of manipulating wildlife populations for management purposes.
6.6 Explain the purpose and goals of quality deer management. 6.7 Determine harvest strategies, based on harvest data collection, to achieve a specific management objective.

AFNR-WM-7
7.1 Define appropriate and manageable wildlife populations for an entire biota.
7.2 Explain and apply the concept of limiting factors for wildlife. 7.3 Explain the relationship between carrying capacity, limiting factors and wildlife populations.
7.4 Describe factors affecting birth rate and death rate of wildlife. 7.5 Explain the concept of surplus as it relates to wildlife populations. 7.6 Define biotic potential and calculate the biotic potential of selected species. 7.7 Explain the principles of inversity and compensation.
7.8 Analyze population curves that depict population changes among various species.
7.9 Explain cause and effect relationships represented by population curves and how they are utilized in managing wildlife populations. |

| 30 | Unit 6
White Tail Deer Management

Standard: Describe basic components of ecosystems and analyze the relationship between living organisms and their environment. | AFNR-WM-4
4.1 Define terms associated with wildlife ecology.
4.2 Describe the various components and functions of ecosystems. 4.3 Identify components of wildlife habitat and construct a wildlife habitat. 4.4 Determine the relationship between habitat availability and wildlife populations.
4.5 Define and research carrying capacity (biological and cultural).
4.6 Explain plant succession and its relationship to wildlife habitat. |

| | Standard: Compare and contrast the habitat needs of selected wildlife species native to Georgia, identify wildlife species of Georgia from physical characteristics and/or evidence, identify the role of selected species in their environment, and explain biological processes related to reproduction and survival of selected species.. | 4.7 Evaluate different stages of plant succession and how they benefit wildlife populations.
4.8 Explain the "Edge Effect" and its importance.
4.9 Evaluate and identify habitat from aerial photographs.
4.10 Identify habitat requirements and develop habitat for specific species.
4.11 Identify plant materials that serve as food and/or cover for wildlife.

AFNR-WM-5
5.1 Describe major habitat requirements for selected wildlife species. Conduct a survey of a habitat and devise a comprehensive improvement plan. 5.2 Describe morphological characteristics used to identify wildlife species. Conduct a field inventory of wildlife species, and record and document findings. 5.3 Determine the age and sex of selected wildlife species.
5.4 Explain biological processes, of selected wildlife species, related to reproduction and survival.
5.5 Identify physical characteristics/attributes of species that make them well suited to their ecological niche. Conduct a field inventory of wildlife species, and record and document findings.
5.6 Explain predator/prey relationships.
5.7 Interpret animal behaviors relative to life processes of selected species. 5.8 Determine home range, space requirements, and travel patterns of selected species. |

| 20 | Unit 7
Aquatics

Standard: Compare and contrast the habitat needs of selected wildlife species native to Georgia, identify wildlife species of Georgia from physical characteristics and/or evidence, identify the role of | AFNR-WM-5
5.1 Describe major habitat requirements for selected wildlife species. Conduct a survey of a habitat and devise a comprehensive improvement plan. 5.2 Describe morphological characteristics used to identify wildlife species. Conduct a field inventory of wildlife species, and record and document findings. 5.3 Determine the age and sex of selected wildlife species.
5.4 Explain biological processes, of selected wildlife species, related to reproduction and survival.
5.5 Identify physical characteristics/attributes of species that make them well suited to their ecological niche. Conduct a field inventory of wildlife species, and |

| | selected species in their environment, and explain biological processes related to reproduction and survival of selected species.. | record and document findings.
5.6 Explain predator/prey relationships.
5.7 Interpret animal behaviors relative to life processes of selected species. 5.8 Determine home range, space requirements, and travel patterns of selected species. |

5	Unit 8 Taxidermy & Trapping Standard:Develop a logical understanding of the role of fire in a forest environment.	AFNR-WM-5 5.1 Describe major habitat requirements for selected wildlife species. Conduct a survey of a habitat and devise a comprehensive improvement plan. 5.2 Describe morphological characteristics used to identify wildlife species. Conduct a field inventory of wildlife species, and record and document findings. 5.3 Determine the age and sex of selected wildlife species. 5.4 Explain biological processes, of selected wildlife species, related to reproduction and survival. 5.5 Identify physical characteristics/attributes of species that make them well suited to their ecological niche. Conduct a field inventory of wildlife species, and record and document findings. 5.6 Explain predator/prey relationships. 5.7 Interpret animal behaviors relative to life processes of selected species. 5.8 Determine home range, space requirements, and travel patterns of selected species.
30	Unit 9 Small Animal Management Standard: Compare and contrast the habitat needs of selected wildlife species native to Georgia, identify wildlife species of Georgia from physical characteristics and/or evidence, identify the role of selected species in their environment, and explain	AFNR-WM-5 5.1 Describe major habitat requirements for selected wildlife species. Conduct a survey of a habitat and devise a comprehensive improvement plan. 5.2 Describe morphological characteristics used to identify wildlife species. Conduct a field inventory of wildlife species, and record and document findings. 5.3 Determine the age and sex of selected wildlife species. 5.4 Explain biological processes, of selected wildlife species, related to reproduction and survival. 5.5 Identify physical characteristics/attributes of species that make them well suited to their ecological niche. Conduct a field inventory of wildlife species, and record and document findings. 5.6 Explain predator/prey relationships.

	biological processes related to reproduction and survival of selected species..	5.7 Interpret animal behaviors relative to life processes of selected species. 5.8 Determine home range, space requirements, and travel patterns of selected species.
20	Unit 10 Snakes & Reptiles Standard: Compare and contrast the habitat needs of selected wildlife species native to Georgia, identify wildlife species of Georgia from physical characteristics and/or evidence, identify the role of selected species in their environment, and explain biological processes related to reproduction and survival of selected species.	AFNR-WM-5 5.1 Describe major habitat requirements for selected wildlife species. Conduct a survey of a habitat and devise a comprehensive improvement plan. 5.2 Describe morphological characteristics used to identify wildlife species. Conduct a field inventory of wildlife species, and record and document findings. 5.3 Determine the age and sex of selected wildlife species. 5.4 Explain biological processes, of selected wildlife species, related to reproduction and survival. 5.5 Identify physical characteristics/attributes of species that make them well suited to their ecological niche. Conduct a field inventory of wildlife species, and record and document findings. 5.6 Explain predator/prey relationships. 5.7 Interpret animal behaviors relative to life processes of selected species. 5.8 Determine home range, space requirements, and travel patterns of selected species.
10	Unit 11 Wildlife Ecology Standard: Using mastered concepts, conduct a field evaluation of wildlife habitats to investigate wildlife management practices to improve the habitat for selected species, and develop a habitat management plan.	AFNR-WM-8 8.1 Conduct a field evaluation of habitat, for selected species, on a given area. 8.2 Identify habitat deficiencies for the survey area. 8.3 Define habitat characteristics of wildlife and their impact on a given area. 8.4 Calculate a habitat quality index. 8.5 Identify practices to improve habitat characteristics. 8.6 Recommend approved practices for managing habitat and populations. 8.7 Schedule wildlife management practices to optimize effectiveness and sustainability on a given area. 8.8 Develop a wildlife management plan for a given land area.